Nominee: Violin Memory

Nomination title: Violin Memory 6000 All Flash Array

Product Description:

The 6000 All Flash Arrays consist of three types: 6600, 6200 and 6100. The 6600 is based on SLC flash and offers the highest performance and density, with 17.5TB of capacity. The 6200 offers excellent performance with MLC-based flash and capacities from 17.5 to 70TB, making it the workhorse of the data center. Finally, the 6100 provides a smaller array for mid-tier customers looking for good performance at an attractive price. The 6100 makes it easy to expand with a "pay as you grow" option to increase your capacity as needed, and match the cost to your growth.

Violin 6000 Series All Flash Arrays are all-silicon shared storage systems built from the ground up, harnessing the power of flash and delivering industry-leading performance and ultra-low data access latencies. A single 3U array delivers more than 1 million IOPS with consistent, spike-free latencies in microseconds, a full order of magnitude lower than legacy storage solutions. This game-changing combination makes the 6000 Series the storage of choice for high IOPS, scale-out virtual infrastructure configurations, business-critical applications with stringent service level agreements, and real-time big data analytic environments.

Violin Memory is uniquely positioned to deliver flash storage systems that can compete with performance disk from a cost for raw capacity perspective. This is possible because 6000 Series All Flash Arrays are purpose built with flash components sourced through Violin Memory's unique and strategic alliance with industry leader Toshiba. The value of Violin's new 6000 becomes even more obvious when compared to the capital expenditures and operating costs of running complex legacy hybrid storage systems with a limited set of SSDs, storage tiering policies, and constant monitoring and tuning.

The core of the 6000 is the Flash Fabric Architecture™. The Flash Fabric Architecture is a resilient, highly available deep mesh of thousands of flash dies that work in concert to continuously optimize performance, latency, and longevity. Contrary to SSD based systems that reuse legacy disk based architectures, the Flash Fabric Architecture is the result of an

all-silicon system approach. This approach utilizes patented flash optimization algorithms implemented in hardware, operating at line rate. All of the active components of the Flash Fabric Architecture are hot-swappable for enterprise grade reliability and serviceability, just another benefit of the 6000.

6000 Series All Flash Arrays connect natively to existing Fibre Channel, 10GE iSCSI, and 40Gb/s Infiniband network infrastructures and managed by the Violin Memory Operating System, providing a simple and easy GUI management interface for one or multiple enclosures. Provisioning storage for an application is extremely simplified. No RAID groups, storage silos, or storage tiers get in the way. New LUNs are spread across the entire surface of the Flash Fabric Architecture. Never worry about hotspots again; the raw performance capabilities of 6000 Series All Flash Arrays eliminate storage bottlenecks and application latencies for storage in a flash.

Why nominee should win

• Designed from the ground up with the industry's only Flash Fabric Architecture, to be used as Tier-1 storage for business critical applications with full redundancy for mission critical deployments

• Up to 70TB of raw flash capacity delivering 1 Million IOPS, with latencies measured in microseconds, in only 3 Rack Units (3U)

• Ideally suited for Virtualized Server and VDI, Real-time Big Data Analytics, and Performance-orientated Cloud Storage applications